

Title (en)
Lead acid storage battery and method for making same

Title (de)
Bleiakkumotor und Verfahren zu ihrer Herstellung

Title (fr)
Accumulateur au plomb et procédé de fabrication

Publication
EP 0734084 B1 20000517 (EN)

Application
EP 95111870 A 19950727

Priority
JP 6076895 A 19950320

Abstract (en)
[origin: EP0734084A1] A method for making a thin strap in a stable molten state in producing a plate group for a lead acid storage battery by integrally welding lugs of a plurality of plates (5,6) of the same polarity by cast-on-strap process. According to the method, the strap is formed in the following manner. A molten lead is fed in a strap forming tool (3) surrounded by an induction heating coil (2); control of the temperature of the molten lead and preheating of the tips of the plate lugs are carried out by the induction heating coil; the tips of the lugs is dipped in the molten lead and kept at a given temperature; and, thereafter, the mold is forcedly cooled (4) to solidify the molten lead.

IPC 1-7
H01M 2/28

IPC 8 full level
B22D 19/04 (2006.01); **B22D 25/04** (2006.01); **H01M 50/541** (2021.01)

CPC (source: EP US)
B22D 19/04 (2013.01 - EP US); **B22D 25/04** (2013.01 - EP US); **H01M 50/541** (2021.01 - EP US); **Y02E 60/10** (2013.01 - EP); **Y10T 29/49108** (2015.01 - EP US); **Y10T 29/49115** (2015.01 - EP US)

Cited by
CN103658606A; CN112846149A; ES2140338A1; CN103394669A; CN103264153A; EP2204865A3; EP2204864A3; EP2254175A1; EP1261047A3; US7473488B2; US6204739B1; WO03090292A3; US6834424B2; US7159745B2; US7448519B2

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
EP 0734084 A1 19960925; **EP 0734084 B1 20000517**; **EP 0734084 B9 20020102**; DE 69517003 D1 20000621; DE 69517003 T2 20010118; JP 3211614 B2 20010925; JP H08255608 A 19961001; KR 100192098 B1 19990615; US 5776207 A 19980707

DOCDB simple family (application)
EP 95111870 A 19950727; DE 69517003 T 19950727; JP 6076895 A 19950320; KR 19950020094 A 19950708; US 50652295 A 19950725